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I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2004900980 for a patent by STEFAN JOSEPH SZOKE as filed on 26 February 2004.



WITNESS my hand this  
Seventeenth day of February 2005

A handwritten signature in dark ink, appearing to read 'J. Peisker'.

JANENE PEISKER  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES

**AUSTRALIA**

**Patents Act 1990**

**PROVISIONAL SPECIFICATION FOR THE INVENTION ENTITLED:**

A Fastener

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**Name of Inventor:**

Stefan Joseph Szoke

This invention is best described in the following statement:

# A FASTENER

## Technical Field

The present invention relates to fasteners and more particularly but not exclusively to attach and tension cable to timber structures.

### Background of the Invention

Rails including balustrades often employ tensioned stainless steel cable. The cable is attached to posts with turnbuckles then rotated to tension the cable. The abovementioned means of attaching and tensioning stainless steel cable is time consuming and therefore expensive to install.

### Object of the Invention

It is the object of the present invention to overcome or substantially ameliorate the above disadvantage.

### Summary of the Invention

There is disclosed herein a coupling having a longitudinal axis and adapted to attach a threaded shaft to a structure, said coupling including:

a threaded rod extending along said axis and to engage the structure so as to be fixed thereto, the rod terminating at an end with a head having a tool engaging portion; and

a turn member also extending along said axis and including a hollow base within which said head is located, and a sleeve extending from the head, the sleeve including a threaded passage to threadably engage said shaft so that upon said rod being engaged with said structure and said sleeve rotated about said axis relative to said shaft, said shaft is moved longitudinally of said passage.

Preferably, said head includes a tool engaging portion, said tool engaging portion being exposed to said passage to provide for a tool passing through said passage to engage said portion to enable a user to rotate said rod.

Preferably, said rod is adapted to penetrate timber.

Preferably, said sleeve includes surfaces to be engaged by a tool to aid in rotating said sleeve about said axis.

There is further disclosed herein in combination, the above described coupling and said shaft, with a cable attached to said shaft.

### **Brief Description of the Drawings**

A preferred form of the present invention will now be described by way of example with reference to the accompanying drawings where:

Figure 1 is a schematic side elevation of a coupling to attach a cable to a post; and

Figure 2 is a schematic sectioned side elevation of the coupling of Figure 1.

### **Detailed Description of the Preferred Embodiment**

In the accompanying drawings there is schematically depicted a coupling 10 to attach a stainless steel cable 11 to a post 12. Typically the post 12 will be formed of timber.

The coupling 10 includes a threaded member 14 having a threaded length 13 embedded in the post 12. The member 14 terminates at one end with a head 15 having a tool engaging portion 16 in the form of a slot so that a screw driver may be engaged therein to cause rotation of the threaded member 14 about the longitudinal axis 17 to insert the length 13 in the post 12.

Operatively associated with the member 14 is a turn member 18 having a hollow base 19 within which the head 15 is located. Extending from the base 19 away from the head 15 is a sleeve 20. The sleeve 20 has as its longitudinal axis, the axis 17.

The sleeve 20 is internally threaded so as to have a threaded length 21. The sleeve 21 has a longitudinal internal passage 22 via which a user is able to insert a tool to engage the slot 16 to rotate the member 14 about the axis 17 to insert the length 13 in the post 12.

Once the length 13 is fully inserted a threaded shaft 23 is threadably engaged with the sleeve 20, with the sleeve 20 rotated about the longitudinal axis 17 so that the shaft 23 moves into the passage 22. Attached to the shaft 23 is the cable 11. More particularly the sleeve 20 has "flat" portions 24 so that it may be gripped by an

appropriate tool to be rotated about the axis 17. Rotation of the sleeve 20 would also tension the cable 11 as well as attach the cable 11 to the sleeve 20.

The base 19 encompasses the head 15 so that the sleeve 20 can rotate about the axis 17 relative to the member 14. It should also be appreciated that the head 15 is  
5 captively located within the base 19 so that when the cable 11 is tensioned the base 19 still remains attached to the head 15.

**Dated 26 February, 2004**

**Stefan Joseph Szoke**

**Patent Attorneys for the Applicant/Nominated Person**

**SPRUSON & FERGUSON**

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